

ABSTRACT OF THE DISCLOSURE

[61] A remotely controllable apparatus and technique for the removal of "CRUD" from surfaces within a nuclear Reactor Pressure Vessel includes a flexible, high pressure water jetting lance assembly for delivering intense water pressure (up to 20,000 psi) via nozzle(s) directly to the areas containing the highly radioactive "CRUD" material. The jetting lance assembly is positioned to the contamination site with either a guide tube having any predetermined shape and into which the lance assembly is disposed or a positioning member attached to the lance assembly, either of which may be torqued and manipulated until the nozzle end of the lance assembly is in position. Various other embodiments include multiple nozzles, adapters that have a specific shaped lumen, one or more sensor devices is communication with processing units near the proximal end of the apparatus.